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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/676,102	09/29/2000	Hong W. Wong	42390P9705	2227

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EXAMINER

DEBERADINIS, ROBERT L

ART UNIT PAPER NUMBER

2836

DATE MAILED: 08/12/2002

#7

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/676,102

Applicant(s)
HONG W. WONG

Examiner
ROBERT L. DEBERADINIS

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2836



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Jun 19, 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 4-6, and 13-31 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4-6, and 13-29 is/are rejected.
- 7) ☒ Claim(s) 30 and 31 is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on Sep 29, 2000 is/are a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

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DETAILED ACTION

Response to Amendment

The reply filed 6/19/02 consists of cancellation of claims 2,3,7-10 and 12 without prejudice, amending claims 1,4,13 and 24, and adding claims 25-3. The claims are not allowed as explained below.

Claim 11 is not addressed. Examiner assumes claim 11 is canceled, if so, please cancel claim.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1,4-6,13-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over

HUSAK 5,317,697.

Regarding claims 1,4,5,6.

HUSAK discloses a live insertion and removal mechanism having the means whereby at least one pin of a first length, at least one pin of a second length, and at least one pin of a third length each being disposed in one of said first and second connector portions to effectively disconnect selected output drivers from signal and control paths to avoid damage to the drivers

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upon insertion or removal of the sub-assembly from the live assembly (refer to abstract and to column 8, lines 55-57).

HUSAK also discloses:

an enable power supply (refer to figure 2B, pre Vcc) having enable input terminals (figure 2B, V12P) and a power output terminal (figure 2B, Vcc) in response to receiving an enable signal on the enable terminal;

an impedance element connected between the first pin/socket and the power input terminal (refer to figure 2A, RES 330).

HUSAK does not disclose the exact arrangement of the pin configuration for the blade or the connector. The fabrication of connectors and the blade layout for circuit components is well known in the art. It would have been obvious to one having ordinary skill at the time of this invention to arrange a pin configuration to conform with the blade layout.

Regarding claims 13,14.

Refer to column 3, lines 35-68- column 5, line 12.

Regarding claim 15.

Refer to figure 2A, RES 330.

Regarding claims 16,19.

Refer to figure 2A, LED and to column 4, lines 43-47.

Regarding claims 17,18,20,21,22,23,24,25,26,27,28,29.

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HUSAK discloses backplane provides pathways, such as power planes and buses for conveying power, control and data signals among a processor and circuit boards installed in the system (column 3, lines 43-49). HUSAK discloses the generation of enabling signals and controlling devices with enabling signals.

HUSAK does not disclose a DC-to-DC converter or a server which is enabled by an enable signal.

It would have been obvious to one having ordinary skill in the art at the time of this invention to enable or disable a Dc to DC converter from supplying voltage to a server (electronic sub assembly) by an enabling signal to remove voltage from a card when the card is removed to shut a system down if a critical card is removed to prevent damage to the system.

Response to Arguments

3. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

4. Claims 30,31 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

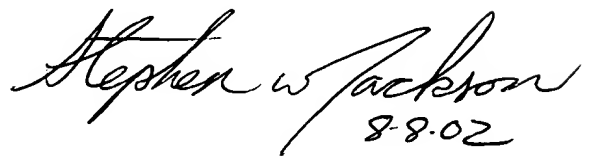
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (703) 306-5857. The examiner can normally be reached on Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus, can be reached on (703) 308-3119. The fax phone number for this Group is (703) 305-7724.

RLD

AUGUST 8, 2002

Handwritten signature of Stephen W. Jackson in cursive script, with the date 8-8-02 written below it.

STEPHEN W. JACKSON
PRIMARY EXAMINER